

CLAIMS

1. A communication method used in a wireless communication system which includes both a repeater relay station of a wireless communication network using repeater system and a frequency division multiple access (FDMA) relay station of a wireless communication network using FDMA system, the method comprising the steps of:

10 receiving a call signal from a repeater wireless terminal in the wireless communication network using repeater system, by the repeater relay station;

forwarding the call signal received by the repeater relay station to the FDMA relay station;

15 setting the forwarded call signal for a control signal at the FDMA relay station;

transmitting the control signal to an FDMA wireless terminal in the wireless communication network using FDMA system; and

20 performing communication via the via the repeater relay station between the FDMA wireless terminal having received the control signal and the repeater wireless terminal.

25 2. A wireless communication system which includes both a repeater relay stations of a wireless communication network using repeater system and an FDMA relay station of a wireless communication network using FDMA system, the system comprising:

30 means for receiving a call signal from a

repeater wireless terminal in the wireless communication network using repeater system, by the repeater relay station;

means for forwarding the call signal received by  
5 the repeater relay station to the FDMA relay station;

means for setting the forwarded call signal for a control signal at the FDMA relay station;

means for transmitting the control signal to an FDMA wireless terminal in the wireless communication  
10 network using FDMA system; and

means for the FDMA wireless terminal, which has received the control signal, to communicate with the repeater wireless terminal via the repeater relay station.

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3. An FDMA wireless terminal to be used in a business wireless communication system which includes both a repeater relay station of a wireless communication network using repeater system and an  
20 FDMA relay station of a wireless communication network using FDMA system,

wherein the FDMA relay station sets a call signal from a repeater wireless terminal in the wireless communication network using repeater system,  
25 which has been forwarded from the repeater relay station, for a control signal; and the FDMA wireless terminal in the wireless communication network using FDMA system has means for receiving the control signal sent thereto to communicate with the repeater wireless  
30 terminal via the repeater relay station.